Event

MPTS IJET
FCL 4301 – FCL 4305
T-45

Mission

FIELD CARRIER LANDING PRACTICE
0.6 HOURS/X

ORM

FCL 4301 - 4305

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

FCL 4301 - 4305

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

SSR/DISCUSS ITEMS

FCL 4301 - 4305

- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**

- **PREREQUISITES:**
  - **FCL 4201**

- **DISCUSS ITEMS:**

  FCL 4301
  - **NATOPS/SOP/EP QOD, PATTERN PROCEDURES, AND ARRESTMENT PROCEDURES.**

SSR/DISCUSS ITEMS

FCL 4301 - 4305

- **DISCUSS ITEMS CONTINUED:**

  FCL 4302

  – **NATOPS/SOP/EP QOD AND SCAN TECHNIQUES.**

  FCL 4303

  – **NATOPS/SOP/EP QOD, GLIDESLOPE CORRECTIONS, AND TREND ANALYSIS.**

  FCL 4304

  – **NATOPS/SOP/EP QOD AND LINEUP CORRECTIONS.**

  FCL 4305

  – **NATOPS/SOP/EP QOD AND TREND ANALYSIS.**

SYLLABUS NOTES

FCL 4301 - 4305

A. ALL EVENTS IN BLOCK WILL BE FLOWN SOLO.

B. LSO'S WILL EVALUATE AND CRITIQUE EACH INDIVIDUAL PASS AS WELL AS LANDING TRENDS; LANDING GRADES ARE AT THE SOLE DISCRETION OF LSO'S.

C. A DAY FRONT-SEAT LANDING WITHIN THE PREVIOUS TWO DAYS IS REQUIRED BEFORE THE FIRST SOLO FLIGHT. AFTER BLOCK FCL 43 HAS BEGUN, A FRONT-SEAT LANDING WITHIN THREE DAYS IS REQUIRED FOR A DAY SOLO.

SYLLABUS NOTES CONT'D

FCL 4301 - 4305

D. A DAY/NIGHT FRONT-SEAT LANDING WITHIN 24 HOURS IS REQUIRED FOR A NIGHT SOLO IN BLOCK.

E. TWO NIGHT PERIODS ARE DESIRED IN ORDER TO HAVE A MINIMUM OF THREE NIGHT FCLP PERIODS BY THE COMPLETION OF CQL 4390.

F. UP TO THREE FCLP/CQL EVENTS MAY BE SCHEDULED PER DAY.

G. NIGHT FCLP SHALL NOT BE FLOWN PRIOR TO FCL 4302.

H. A MINIMUM OF SIX FCLP-TYPE LANDINGS ARE REQUIRED ON EACH FLIGHT.

ADMIN (CARD)

FCL 4301 - 4305

- **A/C – ATC C/S – CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN**

ADMIN

FCL 4301 - 4305

- **LAUNCH**
  - **WEATHER / NOTAMS / TFR / BASH**
  - **PREFLIGHT / START / TAXI**
  - **ITO**
  - **SWAPPING OF CONTROLS**
  - **ENROUTE PROCEDURES**
  - **RADALT USAGE**

- **RTB**
  - **RECOVERY**
  - **DIVERTS**

CONDUCT

FCL 4301 - 4305

- **TIMS RESUME REVIEW**

- **PRACTICE:**
  - **CHECKLISTS/COMM/GROUND OPS**
  - **TAKEOFF/DEPARTURE/FLIGHT ADMIN**
  - **ENROUTE NAVIGATION**
  - **DESCENT/FIELD ENTRY**
  - **FCLP PATTERN**
  - **START POSTION**
  - **AOA CONTROL**
  - **GLIDESLOPE CONTROL**

CONDUCT

FCL 4301 - 4305

- **PRACTICE CONTINUED:**
  - **POWER CONTROL**
  - **LINEUP CONTROL**
  - **ERROR DETECTION/CORRECTION**
  - **RESPONSE TO LSO CALLS**
  - **BOLTER/T+G TECHNIQUE**
  - **FIELD CARRIER LANDING**
  - **WAVEOFF**
  - **FULL-STOP LANDING**

BLOCK MIF

FCL 4301 - 4305

CTS REF	MANEUVER	FCL4305
1	General Knowledge/Procedures	1+
2	Emergency Procedures	1+
3	Headwork/Situational Awareness	1+
4	Basic Airwork	1+
5	Mission Planning/Briefing/ Debriefing	1+
6	Communications	1+
7	Ground Operations	1+
8	Flight Admin	1+
10	Takeoff	1+
11	Departure	1+
12	Enroute Navigation	1
13	Descent/Field Entry	1+
52 23	FCLP Pattern	1+
52 23	Start Position	1+
52 23	AOA Control	1+
52 23	Glideslope Control	1+
52 23	Power Control	1+

CTS REF	MANEUVER	FCL4305
52 23	Lineup Control	1+
52 23	Error Detection/Correction	1+
52	Response to LSO Calls	1+
52 23	Bolter/Touch-and-Go Technique	1+
52 23	Field Carrier Landing	1+
52 24	Waveoff	1+
23	Full-Stop Landing	1+

Emergencies

FCL 4301 - 4305

- **AIRCRAFT FALLOUT**
- **CLEAR ENGINE PROCEDURE**
- **ABORTED TAKEOFF**
- **RWY DEP / LOSS OF DIRECTIONAL CONTROL**
- **SYSTEM FAILURES/ EPs / CRM**
- **BIRD STRIKE/ MIDAIR**
- **RADIO/ ICS FAILURE**
- **LOSS OF NAVAIDS / LOST PLANE**
- **INADVERTENT IMC / LOST SIGHT / LCLS**
- **DISORIENTATION / VERTIGO**
- **HYPOXIA**
- **EJECTION (HIGH / LOW / GROUND)**
- **SAR / ON SCENE COMMANDER**
- **DIVERT(S) / BINGO FUEL TO DIVERT**

STANDARD DEBRIEFING FORMAT

FCL 4301 - 4305

- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED